

WHAT IS CLAIMED IS:

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1. A method for generating voice/text/image commercial information through a communication system including a call process function carrying out a transfer of a commercial information to an originating telephone instead of a ringback tone or a guide message during a communication wait till a receiving side is received after the calling from the originating telephone of a subscriber to a receiving side (a receiving telephone of a subscriber or a receiving communication system) is completed, the method comprising the steps of:

(a) checking a telephone call (S1), connecting with an information generating device (hereinafter, a commercial information ringback tone generating system/device) at an originating or a receiving communication system when the call is detected (S2), beginning to transmit a commercial information instead of the original ringback tone or the guide message to an originating side telephone from the commercial information ringback tone generating system in at least one form of a voice, a text, and/or an image during a communication wait (S3), requesting a connection to a receiving telephone from the commercial information ringback tone generating system after a first predetermined time (A-timeout) lapses (S4), and continuously transmitting the commercial information to the originating telephone (S5);

(b) checking whether the receiving telephone accepts the connection request(S6), checking whether a second predetermined time(B-timeout) lapses since the commercial information ringback tone is provided if the connection request is not accepted(S11), checking whether a telephone connection fails if within the second predetermined time(S14) and continuously providing the commercial information ringback tone to the originating telephone if the telephone connection does not fail(S5);

(c) stopping the providing of the commercial information ringback tone if the telephone connection is made in the step S6(S7), connecting a communication line between the originating telephone and the receiving telephone(S8), checking whether the communication is finished(S9), and disconnecting the communication line if the communication finishes(S10);

(d) stopping the sending of the commercial information ringback tone if the second predetermined time lapses since the connection request in the step S11(S12), and connecting a relay line between an originating switch system and a receiving switch system(S13); and

(e) stopping the sending of the commercial information ringback tone if the connection request fails(S15), releasing the relay line between the originating switch and the receiving switch(S16), checking whether a next connection request is(S17), and beginning to transmit the commercial information to the originating telephone from the commercial information ringback tone generating

system(S3).

2. The method as recited in claim 1, further comprising the steps of requesting the connection to the receiving telephone after the first predetermined time(A-timeout) lapses in the step S4, stopping the sending of the commercial information ringback tone and beginning to transmit an original ringback tone or the guide message to the originating telephone when a ringback tone hearing mode is set(S18), checking whether the receiving telephone accepts the request(S19), stopping the providing of the ringback tone or the guide message if the request is accepted(S20), connecting the communication line between the originating telephone and the receiving telephone(S21), checking whether the communication is finished(S22), and disconnecting the communication line between the originating telephone and receiving telephone.

3. The method as recited in claim 1, wherein in the step (a), when a subscriber calls a receiver's phone number by using an ordinary telephone, a mobile telephone including any one of CDMA, PCS, TDMA, GSM, AMPS, and IMT-2000 type telephones, a video telephone, a satellite telephone and an internet telephone, when a pre-registered subscriber calls the receiver's phone number by using the receiver's phone number, when a subscriber calls a special number, or a subscriber calls an automatic response application system(ARS(Automatic Response System),

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VMS(Voice Mailing System), VISS(Voice Information Service System), PPS(PrePaid System) etc), the commercial information providing service sends the commercial information in forms of melody, advertisement ment or advertisement image to the originating telephone in at least one form of a voice like melody, a text like advertisement, and/or an image like advertisement image during a communication wait.

10 4. The method as recited in claim 1, further comprising the steps of:

in case where the commercial information ringback tone generating system is used as a toll station in the originating switch system,

15 requesting a connection to the commercial information ringback tone generating system by sending an initial address message(IAM) from the originating switch system when the originating telephone makes a call to the originating switch system, confirming the connection from
20 the commercial information ringback tone generating system by sending an address complete message(ACM) to the originating switch system, replying a receiver connection by sending an answer message(ANM) from the commercial information ringback tone generating system to the
25 originating switch system if a charged ringback tone type is set, transmitting the commercial information ringback tone from the commercial information ringback tone generating system to the originating telephone, stopping

the commercial information ringback tone when the communication connection fails after the second predetermined time(B-timeout) lapses;

5 requesting a connection for a receiving telephone to
A a receiving switch system from the commercial information
 ringback tone generating system by sending the initial
 address message(IAM) after the first predetermined time(A-
 timeout) lapses since the beginning of the commercial
10 transmission, confirming the connection from the receiving
 switch system by sending the address complete message(ACM)
 to the commercial information ringback tone generating
 system, ringing the receiving telephone from the receiving
 switch system, sending a call progress message(CPG) from
15 the receiving switch system to the commercial information
 ringback tone generating system, answering a receiving
 telephone connection to the commercial information ringback
 tone generating system from the receiving switch system by
 sending an answer message(ANM) when a receiver receives a
20 call with the receiving telephone, answering the receiving
 telephone connection to the originating switch system from
 the commercial information ringback tone generating system
 by stopping the sending of the commercial information
 ringback tone and replying a receiver connection by sending
 the answer message in case of free ringback tone type, and
25 stopping the sending of the commercial information ringback
 tone to the originating switch system from the commercial
 information ringback tone generating system in case of the
 charged ringback tone type;

connecting the communication line between the originating telephone and the receiving telephone; and

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requesting a release to the commercial information ringback tone generating system from the originating switch system by sending a release message(REL) when the
5 originator disconnects the communication, confirming the release to the originating switch system from the commercial information ringback tone generating system by sending a release complete message(RLC), requesting a
10 release to the receiving switch system from the commercial information ringback tone generating system by sending a release message(REL), confirming the release to the commercial information ringback tone generating system from the receiving switch system by sending a release complete
15 message(RLC), and finishing the communication by disconnecting the receiving telephone from the receiving switch system.

5. The method as recited in claim 1, further comprising
20 the steps of:

in a case where the commercial information ringback tone generating system is used as an end station in the originating switch system,

25 requesting a connection to the commercial information ringback tone generating system by sending an initial address message(IAM) from the originating switch system when the originating telephone makes a call to the originating switch system, confirming the connection from

A the commercial information ringback tone generating system
by sending an address complete message(ACM) to the
originating switch system,

5 replying a receiver connection from the commercial
information ringback tone generating system to the
originating switch system by sending an answer message(ANM)
in case of a charged ringback tone type;

10 transmitting the commercial information from the
commercial information ringback tone generating system to
the originating telephone, stopping the commercial
information ringback tone when the communication connection
fails after the second predetermined time(B-timeout)
lapses;

15 requesting a connection for a receiving telephone to
a receiving switch system from the originating switch
system by sending the initial address message(IAM) after
the first predetermined time(A-timeout) lapses since the
beginning of the commercial information transmission,
confirming the connection from the receiving switch system
20 by sending the address complete message(ACM) to the
originating switch system, ringing the receiving telephone
from the receiving switch system, sending a call progress
message(CPG) from the receiving switch system to the
originating switch system, replying a receiving telephone
25 connection to the originating switch system from the
receiving switch system by sending an answer message(ANM)
when a receiver receives a call with the receiving
telephone, and requesting a stop of the commercial

A information ringback tone from the originating switch system by sending a release message to the commercial information ringback tone generating system;

5 confirming the release to the originating switch system from the commercial information ringback tone generating system by sending a release complete message(RLC);

connecting the communication line between the originating telephone and the receiving telephone; and

10 requesting a release to the receiving switch system from the originating switch system by sending a release message(REL) when the originator disconnects the communication, confirming the release to the originating switch system from the receiving switch system by sending
15 a release complete message(RLC), and finishing the communication by disconnecting the receiving telephone from the receiving switch system.

6. The method as recited in claim 1, further comprising
20 the steps of:

in a case where the commercial information ringback tone generating device in the originating switch system is used so as to generate commercial information ringback tone,

25 making a call to the originating switch system by using the originating telephone, requesting a connection to the commercial information ringback tone generating device from the originating switch system, and replying the

connection from the commercial information ringback tone generating device to the originating switch system;

A transmitting the commercial information ringback tone to the originating telephone from the commercial information ringback tone generating device and when the
5 connection fails after the second predetermined time(B-timeout) lapses, stopping the commercial information ringback tone;

10 requesting a connection to the receiving switch system by sending an initial address message(IAM) from the originating switch system after a first predetermined time(A-timeout) lapses since the beginning of the commercial information ringback tone transmission, confirming the connection to the originating switch system
15 by sending an address complete message(ACM) from the receiving switch system, ringing the receiving telephone from the receiving switch system, sending a call progress message(CPG) from the receiving switch system to the originating switch system, replying a receiver connection
20 to the originating switch system by sending an answer message(ANM) from the receiving switch system when a receiver receives a call with the receiving telephone, and requesting a release of the commercial information ringback tone to the commercial information ringback tone generating
25 device from the originating switch system;

connecting a communication line between the originating telephone and the receiving telephone; and

requesting a release to the receiving switch system

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from the originating switch system by sending a release message(REL) when the originating telephone is disconnected from the originating switch system, confirming the release to the originating switch system from the receiving switch system by sending a release complete message(RLC), and finishing the communication by disconnecting the receiving telephone from the receiving switch system.

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7. The method as recited in claim 1, further comprising the steps of:

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in a case where the commercial information ringback tone generating device outside of the receiving switch system is used so as to generate commercial information ringback tone,

15 making a call to the originating switch system by using the originating telephone, requesting a connection to the receiving switch system by sending an initial address message(IAM) from the originating switch system, requesting a connection to the commercial information ringback tone generating system by sending an initial address message(IAM) from the receiving switch system, confirming the connection from the commercial information ringback tone generating device to the receiving switch system by sending an address complete message(ACM), confirming the connection to the originating switch system by sending an ACM from the receiving switch system, replying a connection to the receiving switch system from the commercial information ringback tone generating system by sending an

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answer message(ANM), and replying a connection to the
originating switch system from the receiving switch system
by sending an answer message(ANM);

transmitting the commercial information ringback tone
to the originating telephone from the commercial
information ringback tone generating system, and when the
connection fails after the second predetermined time(B-
timeout) lapses, stopping the commercial information
ringback tone;

requesting a connection to the receiving switch system
by sending an initial address message(IAM) from the
commercial information ringback tone generating system
after the first predetermined time(A-timeout) lapses since
the beginning of the commercial information ringback tone
transmission, confirming the connection to the commercial
information ringback tone generating system by sending an
address complete message(ACM) from the receiving switch
system, ringing the receiving telephone from the receiving
switch system, sending a call progress message(CPG) from
the receiving switch system to the commercial information
ringback tone generating system, replying a receiver
connection to the commercial information ringback tone
generating system by sending an answer message(ANM) from
the receiving switch system when a receiver receives a call
with the receiving telephone;

stopping the commercial information ringback tone to
the originating switch system from the commercial
information ringback tone generating system and replying a

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connection by sending an answer message(ANM) in case of
free ringback tone type, and stopping the commercial
information ringback tone to the originating switch system
from the commercial information ringback tone generating
5 system in case of charged ringback tone type;

connecting a communication line between the
originating telephone and the receiving telephone; and

requesting a release of the commercial information
Ringback tone to the commercial information Ringback tone
10 generating system from the originating switch system by
sending a release message(REL) when the receiving telephone
is disconnected from the originating switch system,
confirming the release to the originating switch system
from the commercial information ringback tone generating
15 system by sending a release complete message(RLC),
requesting a release to the receiving switch system from
the commercial information ringback tone generating system
by sending a release message(REL), confirming the release
to the commercial information ringback tone generating
20 system from the receiving switch system by sending a
release complete message(RLC), and finishing the
communication by disconnecting the receiving telephone
from the receiving switch system.

25 8. The method as recited in claim 1, further comprising
the steps of:

in a case where the commercial information ringback
tone generating system is set as an end station outside of

the receiving switch system,

A making a call to the originating switch system by
using the originating telephone, requesting a connection to

the receiving switch system by sending an initial address
5 message(IAM) from the originating switch system, requesting

a connection to the commercial information ringback tone
generating system by sending an initial address

message(IAM) from the receiving switch system, confirming
a connection from the commercial information ringback tone

10 generating system to the receiving switch system by sending
an address complete message(ACM), confirming a connection

from the receiving switch system to the originating switch
system by sending an address complete message(ACM),

15 replying a receiver connection to the receiving switch
system from the commercial information ringback tone

generating system by sending an answer message(ANM) in case
of charged ringback tone type, and replying a receiver

connection to the originating switch system from the
receiving switch system by sending an answer message(ANM);

20 transmitting the commercial information ringback tone
to the originating telephone from the commercial

information ringback tone generating system, and when the
connection fails after the second predetermined time(B-

25 timeout) lapses, stopping the commercial information
ringback tone;

requesting a release and requesting a stop of the
commercial information ringback tone to the commercial

information ringback tone generating system from the

the receiving switch system,

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making a call to the originating switch system by using the originating telephone, requesting a connection to the receiving switch system by sending an initial address message(IAM) from the originating switch system, requesting a connection to the commercial information ringback tone generating system by sending an initial address message(IAM) from the receiving switch system, confirming a connection from the commercial information ringback tone generating system to the receiving switch system by sending an address complete message(ACM), confirming a connection from the receiving switch system to the originating switch system by sending an address complete message(ACM), replying a receiver connection to the receiving switch system from the commercial information ringback tone generating system by sending an answer message(ANM) in case of charged ringback tone type, and replying a receiver connection to the originating switch system from the receiving switch system by sending an answer message(ANM);

transmitting the commercial information ringback tone to the originating telephone from the commercial information ringback tone generating system, and when the connection fails after the second predetermined time(B-timeout) lapses, stopping the commercial information ringback tone;

requesting a release and requesting a stop of the commercial information ringback tone to the commercial information ringback tone generating system from the

receiving switch system by sending a release message(REL)
when the receiving telephone ringing and a receiver
receives a call with the receiving telephone after the
first predetermined time(A-timeout) lapses since the
beginning of the commercial information ringback tone
transmission;

confirming a release to the receiving switch system by
sending a release complete message(RLC) from the commercial
information ringback tone generating system and replying a
receiver connection to the originating switch system by
sending an answer message(ANM) from the receiving switch
system in case of free ringback tone type;

connecting the communication line between the
originating telephone and the receiving telephone; and

requesting a release to the receiving switch system
from the originating switch system by sending a release
message(REL) when the originating telephone is disconnected
from the originating switch system, confirming the release
to the originating switch system from the receiving switch
system by sending a release complete message(RLC), and
finishing the communication by disconnecting the receiving
telephone from the receiving switch system.

9. The method as recited in claim 1, further comprising
the steps of:

in a case where the commercial information ringback
tone is generated through the commercial information
ringback tone generating device in the receiving switch

system,

A making a call to the originating switch system by
using the originating telephone, requesting a connection to
the receiving switch system by sending an initial address
5 message(IAM) from the originating switch system, confirming
the connection to the originating switch system by sending
an address complete message(ACM) from the receiving switch
system, requesting a connection to the commercial
information ringback tone generating device from the
10 receiving switch system, replying the connection to the
receiving switch system from the commercial information
ringback tone generating device, and answering a connection
to the originating switch system from the receiving switch
system by sending an answer message(ANM) in case of charged
15 ringback tone type;

transmitting the commercial information ringback tone
to the originating telephone from the commercial
information ringback tone generating device in the
receiving switch system;

20 sending a call progress message(CPG) to the
originating switch system from the receiving switch system
when the receiving telephone rings by the receiving switch
system after the first predetermined time(A-timeout) lapses
since the beginning of the commercial information ringback
25 tone transmission from the commercial information ringback
tone generating device to the originating telephone,
requesting a stop of the commercial information ringback
tone to the commercial information ringback tone generating

system,

A making a call to the originating switch system by
using the originating telephone, requesting a connection to
the receiving switch system by sending an initial address
5 message(IAM) from the originating switch system, confirming
the connection to the originating switch system by sending
an address complete message(ACM) from the receiving switch
system, requesting a connection to the commercial
information ringback tone generating device from the
10 receiving switch system, replying the connection to the
receiving switch system from the commercial information
ringback tone generating device, and answering a connection
to the originating switch system from the receiving switch
system by sending an answer message(ANM) in case of charged
15 ringback tone type;

transmitting the commercial information ringback tone
to the originating telephone from the commercial
information ringback tone generating device in the
receiving switch system;

20 sending a call progress message(CPG) to the
originating switch system from the receiving switch system
when the receiving telephone rings by the receiving switch
system after the first predetermined time(A-timeout) lapses
since the beginning of the commercial information ringback
25 tone transmission from the commercial information ringback
tone generating device to the originating telephone,
requesting a stop of the commercial information ringback
tone to the commercial information ringback tone generating

A device from the commercial information ringback tone generating device when a receiver receives a call with the receiving telephone;

5 replying a receiver connection to the originating switch system from the receiving switch system by sending an answer message (ANM) in case of free ringback tone type;

connecting the communication line between the originating telephone and the receiving telephone; and

10 requesting a release to the receiving switch system from the originating switch system by sending a release message (REL) when the originating telephone is disconnected from the originating switch system, confirming the release to the originating switch system from the receiving switch system by sending a release complete message (RLC), and
15 finishing the communication by disconnecting the receiving telephone from the receiving switch system.

10. The method as recited in claim 1, further comprising the steps of:

20 in a case where a commercial information announcement is provided by using commercial information announcement generating system,

25 requesting a connection to the commercial information announcement generating system from the originating switch system by sending an initial address message (IAM) when the originating telephone makes a call to the originating switch system, confirming the connection to the originating switch system by sending an address complete message (ACM)

from the commercial information announcement generating system, and replying a receiver connection to the originating switch system by sending an answer message (ANM) from the commercial information announcement generating system in case of charged announcement type;

transmitting the commercial information announcement from the commercial information announcement generating system to the originating telephone and stopping the commercial information announcement when the communication connection fails after the second predetermined time (B-timeout) lapses;

requesting a connection to the receiving switch system or an automatic response application system (ARS, VMS etc) from the commercial information announcement generating system by sending an initial address message (IAM) after the first predetermined time (A-timeout) lapses since the beginning of the commercial information transmission, confirming the connection to the commercial information announcement generating system by sending an address complete message (ACM) from the receiving switch system or the automatic response application system, sending a call progress message (CPG) to the commercial information announcement generating system from the receiving switch system or the automatic response application system after the receiving switch telephone rings by the receiving switch system the receiving telephone, and when a receiver makes a call with the receiving telephone, answering a receiver connection to the

commercial information announcement generating system from the receiving switch system or the automatic response application system;

5 replying a receiver connection to the originating switch system from the commercial information announcement generating system by stopping the commercial information announcement and sending an answer message (ANM) in case of free of charge announcement type, stopping the commercial information announcement in case of charged announcement type;

10 connecting the communication line between the originating telephone and the receiving telephone; and

15 requesting a release to the commercial information announcement generating system from the originating switch system by sending a release message (REL) when the originating telephone is disconnected from the originating switch system, confirming the release to the originating switch system from the commercial information announcement generating system by sending a release complete message (RLC), requesting a release to the receiving switch system or the automatic response application system by sending a release message (REL) from the commercial information announcement generating system, confirming the release to the commercial information announcement generating system from the receiving switch system or the automatic response application system by sending a release complete message (RLC), and finishing the communication by disconnecting the receiving telephone from the receiving

switch system or the automatic response application system.

11. The method as recited in claim 1, further comprising the steps of:

5 in a case where a commercial information announcement is provided by using commercial information announcement generating device and an automatic response applied device (ARS, VMS etc) in an automatic response application system,

10 requesting a connection to the automatic response application system from the originating switch system by sending an initial address message (IAM) when the originating telephone makes a call to the originating switch system, confirming the connection to the originating switch system by sending an address complete message (ACM) from the automatic response application system, requesting a connection to the commercial information announcement generating device from the automatic response application system, replying a connection to the automatic response application system from the commercial information announcement generating device, and replying a receiver connection to the originating switch system by sending an answer message from the automatic response application system in case of charged announcement type;

20 transmitting the commercial information announcement from the commercial information announcement generating device to the originating telephone and requesting a stop of the commercial information announcement after the first

predetermined time(A-timeout) lapses;

requesting a connection to an automatic response applied device including ARS or VMS etc from the automatic response application system, replying a connection to the automatic response applied system from the automatic response applied device, and replying a receiver connection to the originating switch system by sending an answer message(ANM) from the automatic response application system in case of free of charge announcement type;

connecting a communication line between the originating telephone and the automatic response applied device; and

requesting a release to the automatic response application system from the originating switch system by sending a release message(REL) when the originating telephone is disconnected from the originating switch system, confirming the release to the originating switch system from the automatic response application system by sending a release complete message(RLC), and disconnecting the automatic response applied device from the automatic response application system.

12. The method as recited in claim 1, further comprising the steps of:

in a case where the commercial information ringback tone is generated by using the commercial information ringback tone generating system in an intelligent network, making a call the originating telephone to the

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5 originating switch system, requesting a connection to a service switching point(SSP) by sending an initial address message(IAM) from the originating switch system, requesting an analyzed information to a service control point(SCP) from the service switching point, requesting a seize resource to the commercial information ringback tone generating system from the service control point, returning the seize resource to the service control point from the commercial information ringback tone generating system,
10 requesting a connect resource to the service switching point from the service control point, and requesting a connection to the commercial information ringback tone generating system by sending an initial address message(IAM) from the service switching point;

15 confirming the connection to the originating switch system from the commercial information ringback tone generating system through the service switching point by sending an address complete message(ACM), and answering a receiver connection to the originating switch system by
20 sending an answer message from the service switching point in case of charged ringback tone type;

transmitting a commercial information ringback tone to the originating telephone from the commercial information ringback tone generating system;

25 requesting an analyzed information return to the service switching point from the service control point after the first predetermined time(A-timeout) lapses since the beginning of the commercial information ringback tone

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transmission, requesting a connection to the receiving
switch system by sending an initial address message(IAM)
from the service switching point, confirming the connection
to the service switching point by sending an address
complete message(ACM) from the receiving switch system,
5 ringing the receiving telephone by the receiving switch
system, sending a call progress message(CPG) to the service
switching point from the receiving switch system, replying
a receiver connection to the service switching point by
10 sending an answer message(ANM) from the receiving switch
system when a receiver receives a call with the receiving
phone, and stopping the commercial information ringback
tone by sending a release message(REL) to the commercial
information ringback tone generating system from the
15 service switching point;

replying a receiver connection to the originating
switch system by sending an answer message(ANM) from the
service switching point in case of free of charge ringback
tone type;

20 connecting the originating telephone and the receiving
telephone; and

requesting a release to the service switching point
from the originating switch system by sending a release
message(REL) when the originating telephone is disconnected
25 from the originating switch system, confirming the release
to the originating switch system from the service switching
point by sending a release complete message(RLC),
requesting a release to the receiving switch system from

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the service switching point by sending a release
message(REL), confirming the release to the service
switching point from the receiving switch system by sending
a release complete message(RLC), and finishing the
5 communication by disconnecting the receiving telephone from
the receiving switch system.

13. The method as recited in claim 1, further comprising
the steps of:

10 in a case where the commercial information ringback
tone is generated by using the commercial information
ringback tone generating device of the intelligent
peripheral(IP) in an intelligent network,

15 connecting the originating telephone to the
originating switch system, requesting a connection to a
service switching point by sending an initial address
message(IAM) from the originating switch system, requesting
an analyzed information to a service control point(SCP)
from the service switching point(SSP), requesting a seize
20 resource to the intelligent peripheral(IP) from the service
control point, returning the seize resource to the service
control point from the intelligent peripheral, requesting
a connect resource to the service switching point from the
service control point, and requesting a connection to the
25 intelligent peripheral by sending an initial address
message(IAM) from the service switching point;

confirming the connection to the originating switch
system from the intelligent peripheral through the service

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switching point by sending an address complete
message(ACM), and replying a receiver connection to the
originating switch system by sending an answer message(ANM)
from the service switching point in case of charged
5 ringback tone type;

transmitting a commercial information ringback tone to
the originating telephone from the commercial information
ringback tone generating system;

10 requesting an analyzed information return to the
receiving telephone after the first predetermined time(A-
timeout) lapses since the beginning of the commercial
information ringback tone transmission, requesting a
connection to the receiving switch system by sending an
initial address message(IAM) from the service switching
15 point, confirming the connection to the service switching
point by sending an address complete message(ACM) from the
receiving switch system, ringing the receiving telephone by
the receiving switch system, sending a call progress
message(CPG) to the service switching point from the
20 receiving switch system, answering a receiver connection to
the service switching point from the receiving switch
system by sending an answer message(ANM) when a receiver
operates the receiving phone, and stopping the commercial
information ringback tone by sending a release message to
25 the intelligent peripheral from the service switching
point;

answering a receiver connection to the originating
switch system by sending an answer message from the service

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switching point in case of free of charge ringback tone type;

A connecting the originating telephone and the receiving telephone; and

5 requesting a release to the service switching point from the originating switch system by sending a release message(REL) when the originating telephone is disconnected from the originating switch system, confirming the release to the originating switch system from the service switching
10 point by sending a release complete message(RLC), requesting a release to the receiving switch system from the service switching point by sending a release message(REL), confirming the release to the service switching point from the receiving switch system by sending
15 a release complete message(RLC), and finishing the communication by disconnecting the receiving telephone from the receiving switch system.

14. The method as recited in claim 1, wherein a
20 subscriber connection methods includes methods to make a call an ordinary phone number of normal subscriber, to make a call the ordinary phone number of the receiver by a pre-registered subscriber, and to call a special phone number, and system constructions for generating the
25 commercial information ringback tone in forms of a voice, a text or an image includes a device built-in-switch type, a system built-out-switch type and an intelligent network type, and protocols for connecting the commercial

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5 information ringback tone generating device, commercial information ringback tone generating system and the switch systems includes No.7 ISUP, R2MFC, IPC, X.25, TCP/IP etc, and subscriber's private information are classified into gender, age, region, time band, and earning and the originating telephone is provided from the commercial ringback tone generating system commercial information instead of an original ringback tone during a communication wait by selectively the subscriber's private information.

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15. The method as recited in claim 1, wherein the commercial information excluding the ringback tone or the guide message includes at least one of advertisement, music, news, greeting information, weather, sports, stock,
15 humor, entertainment, bio-rhythm, fortune, position, entertainer, fee information, and the subscriber includes at least one of wire communication subscribers or wireless communication subscribers such as mobile communication subscribers.

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16. The method as recited in claim 1, wherein the communication system includes at least one of a wire communication system or a wireless communication system including a mobile communication system for communication
25 between an originating side and a receiving side, the commercial information excluding the ringback tone or the guide message have at least one form of a voice form, a text form or an image form.

17. The method as recited in claim 1, wherein the call process function transmitting to the originating telephone of the subscriber the commercial information excluding the ringback tone or the guide message instead of the ringback tone during a communication wait, is applied to at least one of the patterns possible to be combined with an original ringback tone or an original guide message and the commercial information ringback tone, such as a first pattern for transmitting the commercial information to the originating telephone during a communication wait, a second pattern for transmitting the commercial information to the originating telephone after transmitting the ringback tone or the guide message with a fixed count during a communication wait, a third pattern for transmitting the ringback tone or the guide message to the originating telephone after transmitting the commercial information for a predetermined time during a communication wait, a fourth pattern for transmitting the ringback tone or the guide message to the originating telephone after transmitting the commercial information to the originating telephone for the predetermined time since the ringback tone or the guide message with a fixed count transmits during a communication wait, and a fifth pattern for simultaneously transmitting the ringback tone or the guide message and the commercial information ringback tone.

18. An information generating device having a

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5 communication system including an originating telephone, a receiving telephone including an ordinary telephone, a mobile telephone(CDMA, PCS, TDMA, GSM AMPS, IMT-2000 type etc) a video phone, a satellite phone, an internet phone etc, a subscriber communication line and a relay communication line which are positioned in a switch system, the device comprising:

10 a commercial information server for providing commercial information including advertisement, music, composite information(news, weather, sports, stock information, humor, entertainment etc), subscriber information(bio-rhythm, fortune, position, entertainer information, stock, fee information etc);

15 a voice/text/image/commercial information ringback tone generating device for providing a commercial information ringback tone in forms of a voice; a text, or an image from the commercial information server to the originating telephone which is on wait through the subscriber communication line, the voice/text/image
20 commercial information ringback tone generating device being provided in the switch system;

25 a voice/text/image commercial information ringback tone generating system for providing a commercial information ringback tone in forms of a voice, a text, or an image from the commercial information server to the originating telephone which is on wait through the relay communication line and the subscriber communication line, the voice/text/image commercial information ringback tone

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generating system being provided outside of the switch system; and

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5 a subscriber's private information server for providing subscriber's private information individually in terms of regions, gender, ages and time bands, the commercial information ringback tone is provided depending on the subscriber's private information.

10 19. An information generating device as recited in claim 18, wherein the device generates the commercial information in forms of the voice, the text or the image from an automatic response system(ARS), a voice mailing system(VMS), from a voice information service system(VISS) etc to an originating telephone of subscriber during
15 communication wait.

Add A' }

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